



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Johnson et al.

Serial No.: 09/736,135

Filed: 12/15/2000

For: Color Imaging System and
Methods

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Group Art No.: 2851

Examiner: W. Dowling

Atty. Docket No.: 95121961.114002

#16

4-8-03

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant(s) hereby notify the U.S. Patent and Trademark Office of the document(s) which is/are listed on the attached Form PTO-SB/08A.

References listed on the SB/08A (Exhibit A, pages 1-4) were previously submitted in U.S. Patent Application S/N 09/190,273, now U.S. Patent No. 6,252,638.

Reference listed on the SB/08A (Exhibit B, page 1) was previously submitted in U.S. Patent Application S/N 09/126,330, now U.S. Patent No. 5,416,515.

References listed on the SB/08A (Exhibit C, pages 1-4) were previously submitted in U.S. Patent Application S/N 08/853,468, now U.S. Patent No. 5,990,996.

References listed on the SB/08A (Exhibit D, pages 1-3) were previously submitted in U.S. Patent Application S/N 08/645,580, now U.S. Patent No. 5,822,021.

References listed on the SB/08A (Exhibit E, pages 1-3) were previously submitted in U.S. Patent Application S/N 08/447,522, now U.S. Patent No. 5,751,384.

References listed on the SB/08A (Exhibit F, page 1-2) were previously submitted in U.S. Patent Application S/N 09/311,587, now U.S. Patent No. 6,183,091.

References listed on the SB/08A (Exhibit G, pages 1-4) were previously submitted in U.S. Patent Application S/N 09/736,135, now published US-2001-000097-A1.

References listed on the SB/08A (Exhibit H, page 1-2) were previously submitted in U.S. Patent Application S/N 08/901,837, now U.S. Patent No. 6,046,786.

☒ (1) This IDS does NOT require a fee or 37 C.F.R. § 1.97(e) statement because it is being filed (check all that apply):

☐ (a) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); **OR**

☐ (b) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; **OR**

☐ (c) Before the mailing of a first Office action on the merits; **OR**

☒ (d) Before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

☐ (2) This information disclosure statement is filed before the mailing date of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, and (check only one):

☐ (a) Is accompanied by the fee set forth in § 1.17(p); **OR**

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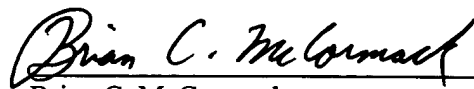
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The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant(s) does/do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Please charge any necessary fee or credit any overpayment in connection

with this Information Disclosure Statement to Deposit Account No. 13-0480 (please reference 95121961.114002).

Respectfully submitted,



Brian C. McCormack
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April 2, 2003
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Exhibit C
Page 1



Exhibit C
Page 2

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		Applicant Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Scheffer, T.J., "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell," J., Appl. Phys. (1973) 44(11):4799-4803.	
		Carlsen, W.J. and Buhrer, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1987) 23(3):106-107.	
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		Kondo, et.al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics (1988) 85:361-373.	
		Billings, BH., "A Tunable Narrow-Band Optical Filter," J. Opt. Soc. America (1947) 37:738-746.	
		John Wiley & Sons, "Optical Waves In Layered Media," Pochi Yeh, A. Wiley-Interscience Publication (1988).	
		Pezzani, J.L. and Chipman, R.A., "Phase-only modulation of a twisted nematic liquid crystal TV by use of the eigenpolarization states," Optics Letters, vol. 18, No. 18 (1993), pp. 1567-2569.	
		Shannon, P.J., et. al., "Patterned Optical Properties in PhotoPolymerized Surface-Aligned Liquid-Crystal Films", Nature (1994), vol. 368, pp. 532-533.	
		Schmidt, Martin, et. al., "Photo-Generation of Linearly Polymerized Liquid Crystal Aligning Layers Comprising Novel, Integrated Optically Patterned Retarders and Color Filters," Jpn. J. Appl. Phys. (1995), vol. 34 pp. 3240-3249.	
		"Achromatic phase-shifters: 2. A quantized ferroelectric liquid-crystal system", P. Hariharan et al., 2319 Optics Communications 117 (1995) May 15, Nos. 1/2, Amsterdam, NL, pp. 13-15.	

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		"Achromatic retardation plates", Alan M. Title et al., SIPE vol. 307 Polarizers and Applications (1981), pp. 120-125.	
		"Improvement of Birefringent Filters. 2:Achromatic Waveplates", Alan M. Title, Jan. 1975/ vol. 14, No. 1/ Applied Optics, pp. 229-237.	
		Buhrer, Carl F., "Synthesis and tuning of high-order Solc-type birefringent filters," Applied Optics (Apr. 20, 1994) 33(12): 2249-2254.	

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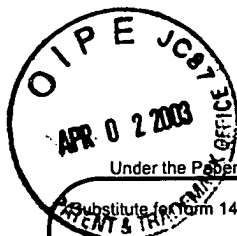


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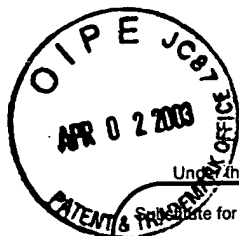


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Exhibit F
Page 1

Exhibit F
Page 2

Exhibit H
Page 1



Exhibit H
Page 2

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Compleat if Known			
		Application Number	09/736,135		
		Filing Date	12/15/2000		
		First Named Inventor	Johnson		
		Art Unit	2851		
		Examiner Name	Dowling		
Sheet		of		Attorney Docket Number	95121961.114002

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Title, A.M., "Improvement of Birefringent Filters. 2: Achromatic Waveplates," Applied Optics (Jan. 1975) 14(1):229-237.	
		McIntyre, C.M. and Harris, S.E., "Achromatic Wave Plates for the Visible Spectrum," J. Opt. Soc. of America (Dec. 1968) 58(12): 1575-1580.	
		Koester, Charles J., "Achromatic Combinations of Half-Wave Plates," J. Opt. Soc. Of America (Apr. 1959) 49(4):405-409.	
		Pancharatnam, S., "Achromatic Combinations of Birefringent Plates," Indian Academy Science Proceed. (1955) 41:130-136.	
		Pancharatnam, S., "Achromatic Combinations of Birefringent Plates, Part II. An Achromatic Quarter-Wave Plate," Indian Academy Science Proceed. (1955) 41:137-144.	
		"Achromatic phase-shifters: 2. A quantized ferroelectric liquid-crystal system", P. Hariharan et al., 2319 Optics Communications 117 (1995) May 15, Nos. 1/2, Amsterdam, NL, pp. 13-15.	
		"Achromatic retardation plates", Alan M. Title et al., SIPE vol. 307 Polarizers and Applications (1981), pp. 120-125.	
		"Improvement of Birefringent Filters. 2:Achromatic Waveplates", Alan M. Title, Jan. 1975/vol. 14, No. 1/ Applied Optics, pp. 229-237.	

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Page 1

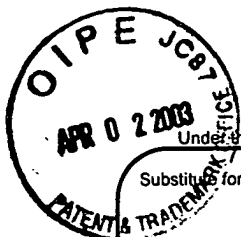


Exhibit G
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		Sharp, Gary Dean. "Chiral smectic liquid crystal tunable optical fibers and modulators", 1992.	
		Scheffer, T.J., "New multicolor liquid crystal displays that use a twisted nematic electro-optical cell, "J., Appl. Phys. (1973) 44(11):4799-4803.	
		Carlsen, W.J. and Buhrer, C.F., "Flat Passband Birefringent Wavelength-Division Multiplexers," Electronics Letters (1978) 23(3):106-107.	
		Wright, H., et al., "Active filters enable color imaging," Laser Focus World (May 1996) 85-90.	
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		Displaytech, Inc. (Jan., 1996), "Switchable Color Filter", Boulder, CO, 4 pages.	
		Title, A.M. and Rosenberg, W.J., "Tunable birefringent filters, "Opt. Eng., (1981) 20(6):815-823.	
		Solc, Ivan, "Birefringent Chain Filters, "J. Opt. Soc. Am. (1965) 55(6):621-625.	
		Wu, Shin-Tson, "Birefringence dispersions of liquid crystals, "Physical Review A. (1986) 33(2):1270-1274.	
		Harris, S.E., et al., "Optical Network Synthesis Using Birefringent Crystals, I. Synthesis of Lossless Networks of Equal-Length Crystal, "J. Opt. Soc. America (1964) 54(10):1267-1279.	

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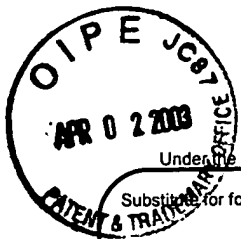


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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

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Sheet		of	
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		Amman, E.O., "Optical Network Synthesis Using Birefringent Crystals, III., Some General Properties of Lossless Birefringent Networks," J. Opt. Soc America (1966) 56(7):943-951.	
		Amman, E.O. and Yarborough, J.M., "Optical Network Synthesis Using Birefringent Crystals V. Synthesis of Lossless Networks Containing Equal-Length Crystals and Compensators," J. Opt. Soc America (1966) 56(12): 1746-1754.	
		Sharp, G.D., et al., "P-60: Color Switching Using Ferroelectric Liquid Crystals," Society for Information Display, International Symposium, Digest of Technical Papers, Vo., XXIV, Seattle, Washington, May 18-20, 1993.	
		Kondo, et al., "Ferroelectric Liquid Crystal Materials Applied to Guest-Host Type Displays," Ferroelectrics (1988) 85:361-373.	
		Billings, BH., "A Tunable Narrow-Band Optical Filter," J., Opt. Soc. America (1947) 37:738-746.	
		Buhrer, Carl F., "Synthesis and tuning of high-order birefringent filters," Applied Optics (Apr. 20, 1994) 33(12): 2249-2254.	
		Y. Wang; "Surface Plasmon Tunable Color Filter and Display Device;" Society for Informaion Display International Symposium Digest of Technical Papers; vol. 28, pp. 63-66, May 1997	
		F.H. Yu and H.S. Kwok; "A New Driving Scheme for Reflective Bistable Cholesteric LCDs;" 1997 Society for Information Display Information Symposium Digest of Technical Papers; p. 659, May, 1997.	

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